

Table 1. Maintenance, Inspection, Pumping Requirements
Bio-Microbics High Strength FAST® (Models— 1.0, 1.5, 3.0, 4.5, and 9.0)

Initial/Startup Inspection/ Maintenance Requirements	See Installation Manual and Service Manual
Routine Inspection/Maintenance Cycle	Annual maintenance/inspections are required.
Ongoing Pumping Cycle And/Or Requirements	Pump when sludge depth is ≥ 18 inches in the settling zone, or as required by state or local regulators. See Service Manual for when to pump out treatment zone.
Back-Wash Cycle	N/A
NSF 40 Effluent Standard*	N/A
BOD ₅ Credit For Downsizing Distribution Area	YES (Table SPS 383.44)
Fecal Credit For Reduction Of Vertical Separation	YES (Table SPS 383.44)
Additional Comments	For seasonal occupancy, turn off blower when vacated. See Service Manual for more information.

* NOTE: NSF/ANSI 40 Effluent Standard row - Class I, Class 2, and None or NA

Table 2. System Requirements and Characteristics
Bio-Microbics High Strength FAST® (Models— 1.0, 1.5, 3.0, 4.5, and 9.0)

Model	<u>High</u> <u>Strength</u> <u>FAST®</u> <u>1.0</u>	<u>High</u> <u>Strength</u> <u>FAST®</u> <u>1.5</u>	<u>High</u> <u>Strength</u> <u>FAST®</u> <u>3.0</u>	<u>High</u> <u>Strength</u> <u>FAST®</u> <u>4.5</u>	<u>High</u> <u>Strength</u> <u>FAST®</u> <u>9.0</u>
Maximum DWF (gals./day) * Based on 150 gpd/bedroom	1000	1500	3000	4500	9000
Maximum BOD ₅ (lbs./day) Based on residential strength	2.2	3.3	6.6	10	20
Minimum Tank Capacity (gals.)—inserted tank/upstream tank	750/500	1125/750	2250/1500	4220/2250	8440/4500
Minimum Tank Dimensions (inches) for Insertion	Please refer to the product drawings for the HighStrengthFAST® product line found at www.BioMicrobics.com				
Minimum Liquid Limit (inches) for Insertion					
Minimum Blower Capacity (cfm)	20-45	50-100	90-140	165-230	180-280

* Multiple units maybe installed—free standing or hard-piped in parallel.